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PPLICATION N	O. F	TLING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/944,669		08/31/2001	Glen F Forck	96-451	3793	
719	7590	03/09/2004		EXAMINER		
•	PILLAR IN		;	BARRERA,	BARRERA, RAMON M	
PATENT	ADAMS ST DEPT.	KEEI	ैं। हैं	ART UNIT	PAPER NUMBER	
PEORIA,	EORIA, IL 616296490		¥ .:	2832		
			:	DATE MAILED: 03/09/2004	DATE MAILED: 03/09/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	——————————————————————————————————————
		09/944,669	FORCK, GLEN F	
	Offic Action Summary	Examiner	Art Unit	
		Ramon M Barrera	2832	
D - #! - J 4	The MAILING DATE of this communication	on app ars on the cover she	et with the correspond nce addre	ess
THE - Exter after - If the - If No - Failt Any earn Status 1) 2a) 3) Disposit	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT ensions of time may be available under the provisions of 37 (6 SIX (6) MONTHS from the mailing date of this communicat e period for reply specified above is less than thirty (30) days o period for reply is specified above, the maximum statutory ure to reply within the set or extended period for reply will, by reply received by the Office later than three months after the led patent term adjustment. See 37 CFR 1.704(b). Responsive to communication(s) filed on	ION. CFR 1.136(a). In no event, however, mon. s, a reply within the statutory minimum period will apply and will expire SIX (6) a statute, cause the application to become mailing date of this communication, experience of the statute of the second communication of the second communi	nay a reply be timely filed of thirty (30) days will be considered timely. MONTHS from the mailing date of this commended the commended of the	
5)⊠ 6)⊠ 7)⊠ 8)□	4a) Of the above claim(s) <u>16,21 and 22</u> is Claim(s) <u>10-15,17 and 18</u> is/are allowed. Claim(s) <u>1-4,6,8,19 and 20</u> is/are rejected Claim(s) <u>5,7 and 9</u> is/are objected to. Claim(s) are subject to restriction	/are withdrawn from consid	·	
Applicat	ion Papers			
10)	The specification is objected to by the Example The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the Country The oath or declaration is objected to by the specific transfer of transfer of the specific transfer of	accepted or b) objected to the drawing(s) be held in absorrection is required if the drawing	eyance. See 37 CFR 1.85(a). wing(s) is objected to. See 37 CFR	
Priority (under 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docu 2. Certified copies of the priority docu 3. Copies of the certified copies of the application from the International Esee the attached detailed Office action for	ments have been received ments have been received e priority documents have b Bureau (PCT Rule 17.2(a)).	in Application No een received in this National St	age
2) Notice (3) Infor	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-94) mation Disclosure Statement(s) (PTO-1449 or PTO/84) er No(s)/Mail Date 12/17/01.	18) Paper SB/08) 5) Notice	riew Summary (PTO-413) r No(s)/Mail Date e of Informal Patent Application (PTO-1:	52)

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election of Group I in Paper No. 5 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
- 2. Newly submitted claims 21-22 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: These claims are drawn to nonelected Group II. Accordingly, claims 16, and 21-22 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 19-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In Claim 19, on line 4, "control" should be changed to –central--. Claim 20 inherits the defect in its parent claim.

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Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-4, 6, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Baxter, Jr..

Baxter, Jr., in Fig. 3, discloses a first (1,2,3) and a second (4,5,6) set of legs (exclusive magnetic path) disposed on opposite sides of a central core member 7 (common magnetic path); armatures (11', 13'), and a solenoid coil 12 for attracting the armatures with different strengths of current (page 2, lines 1-4).

Allowable Subject Matter

- 7. Claims 5, 7, and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. Claims 10-18 are allowed.
- 9. Claims 19-20 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.
- 10. The following is a statement of reasons for the indication of allowable subject matter: Baxter, Jr., the closest prior art of record failed to disclose or teach core legs having a linear shape, unequal lengths, nor wherein the coil is disposed about a middle

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core leg. Furthermore, Baxter, Jr., fails to disclose or teach wherein an armature forms a magnetic circuit with more than an adjoining single leg.

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Conclusion

- 11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Phillips, et al., discloses a fuel injector with dual armatures.
- 12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ramon M Barrera whose telephone number is (571)272-1987. The examiner can normally be reached on Monday through Friday, except Wed., from 9 to 3PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin G. Enad can be reached on (571)272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ramon M Barrera
Primary Examiner
Art Unit 2832

rmb